LEXMARK™ Z82

Scan / Print / Copy

LEXMARK Z82

User's Guide

Edition: October 2000

Supplemental Information

Some functions that are shown in this publication may not be on your Lexmark Z82 printer.

Statement of Limited Warranty

Lexmark International, Inc., Lexington, KY

This warranty applies to the United States and Canada. For customers outside the U.S. and Canada, refer to the country-specific warranty information that came with your printer.

Lexmark Z82 Scan/ Print/ Copy

This Statement of Limited Warranty applies to this product if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark remarketer, referred to in this statement as "Remarketer".

Warranty

Lexmark warrants that this product:

*   Is manufactured from new parts, or new and serviceable used parts, which perform like new parts,

*   Is free from defects in material and workmanship,

*   Conforms to Lexmark's official published specifications, and

*   Is in good working order.

If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair without charge.

If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was designed. To obtain warranty service, you may be required to present the feature or option with the product.

If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user.

Warranty Service

The warranty period is twelve months and starts on the date of original purchase as shown on the purchase receipt.

To obtain warranty service you may be required to present proof of original purchase. Warranty service will be provided at a Remarketer or a Lexmark designated location. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the Remarketer or the designated location.

When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item. The replacement item assumes the remaining warranty period of the original product.

Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, or damaged beyond repair. Also, such product must be free of any legal obligation or restrictions that prevent its exchange.

Before you present this product for warranty service, remove all programs, data, and removable storage media.

For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area, please contact Lexmark at 1-800-539-6275, or on the World Wide Web at http://www.lexmark.com.

Free remote customer support is provided for this product throughout its warranty period. Lexmark offers a variety of extended warranty programs that include an extension of customer support. For products no longer covered by a Lexmark warranty, customer support may only be available for a fee.

Extent of Warranty

We do not warrant uninterrupted or error-free operation of a product.

Warranty service does not include repair of failures caused by:

- Modification or attachments
- Accidents or misuse
- Unsuitable physical or operating environment
- Maintenance by anyone other than Lexmark or a Lexmark authorized servicer
- Operation of a product beyond the limit of its duty cycle
- Failure to have installed a maintenance kit as specified (if applicable)
- Use of printing media outside of Lexmark specifications
- Use of other than Lexmark supplies (such as toner cartridges, inkjet cartridges, and ribbons)
- Use of other than Lexmark product or component

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES, EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD.

Limitation of Liability

Your sole remedy under this Statement of Limited Warranty is set forth in this section. For any claim concerning performance or nonperformance of Lexmark or a Remarketer for this product under this Statement of Limited Warranty, you may recover actual damages up to the limit set forth in the following paragraph.

Lexmark's liability for actual damages from any cause whatsoever will be limited to the greater of 1) $5,000 or 2) the amount you paid for the product that caused the damages. This limitation of liability will not apply to claims by you for bodily injury or damage to real property or tangible personal property for which Lexmark is legally liable. In no event will Lexmark be liable for any lost profits, lost savings, incidental damage, or other economic consequential damages. This is true even if you advise Lexmark or a Remarketer of the possibility of such damages. Lexmark is not liable for any claim by you based on a third party claim.

This limitation of remedies also applies to any developer of materials supplied to Lexmark. Lexmark's and the developer's limitations of remedies are not cumulative. Such developer is an intended beneficiary of this limitation.

Additional Rights

Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Electronic Emission Notices

Federal Communications Commission (FCC) Compliance Information Statement

The Lexmark Z82 Scanner, Printer and Copier has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class B limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

NOTE: To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as the Lexmark part number 1329605 for a parallel attach or 43H5856 for a USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

This product is designed, tested and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.

Any questions regarding this compliance information statement should be directed to:

Director of Lab Operations
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY   40550
(859) 232-3000

Industry Canada Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Safety Information

- If your product is NOT marked with this symbol, ⬜, it MUST be connected to an electrical outlet that is properly grounded.
- The power cord must be connected to an electrical outlet that is near the product and easily accessible.
- Refer service or repairs, other than those described in the operating instructions, to a professional service person.
- This product is designed, tested and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.

Contacting Lexmark

Lexmark Customer Support

North America

United States	http://support.lexmark.com
	1 800 539 6275
Canada	1 800 539 6275

1
Chapter

Introduction

2
Chapter

Setting up Your Printer

6
Chapter

Making a Copy

7
Chapter

Changing Printer Setting

8 Chapter

Maintaining Your Printer

9 Chapter

Troubleshooting

Appendix

Appendix

1

Introduction

Overview

Congratulations on the purchase of your Lexmark Z82 Scan/Print/Copy!

This chapter provides the following information:

About This Guide

Main Features

Printer Components

About This Guide

This guide will show you how to get started and perform the most common tasks with your printer.

Conventions used

Throughout this guide, the following specific conventions are used to help you quickly identify information:

IMPORTANT   This label identifies significant information.

NOTE   This label identifies information you should know before you continue.

CAUTION   This label calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product or your data.

NOTE   • The screen captures shown in this guide are samples that are representative of actual screen captures.

Main Features

Your Lexmark Z82 Scan/Print/Copy supports the following features:

You can print with excellent quality

High-quality printing at a maximum resolution of 1200 dpi.

With SmarThru 2, you can easily copy, or scan documents and photographs into your computer, and maintain them as electronic documents. You can also use SmarThru to quickly transmit scanned documents by fax or electronic mail, or to print a copy on your printer.

You can use this printer as your scanner

You can easily scan documents and photographs.

Your printer is a high quality copier

- Color Copies   • Adjustable Contrast/Resolution   • Reduce/Enlarge
- Multiple Copies • Collate

Printer Components

▼ **Front View**

The following illustration shows the front view of your printer and indicates the various main elements.

Scanner Bed

Top Cover

Scanner bed

Cartridge Compartment Cover

Control Panel

Ink Cartridge and Carrier (inside)

Display

(Not Available)

(Not Available)

Handle

Paper Input Tray

Paper Out Tray
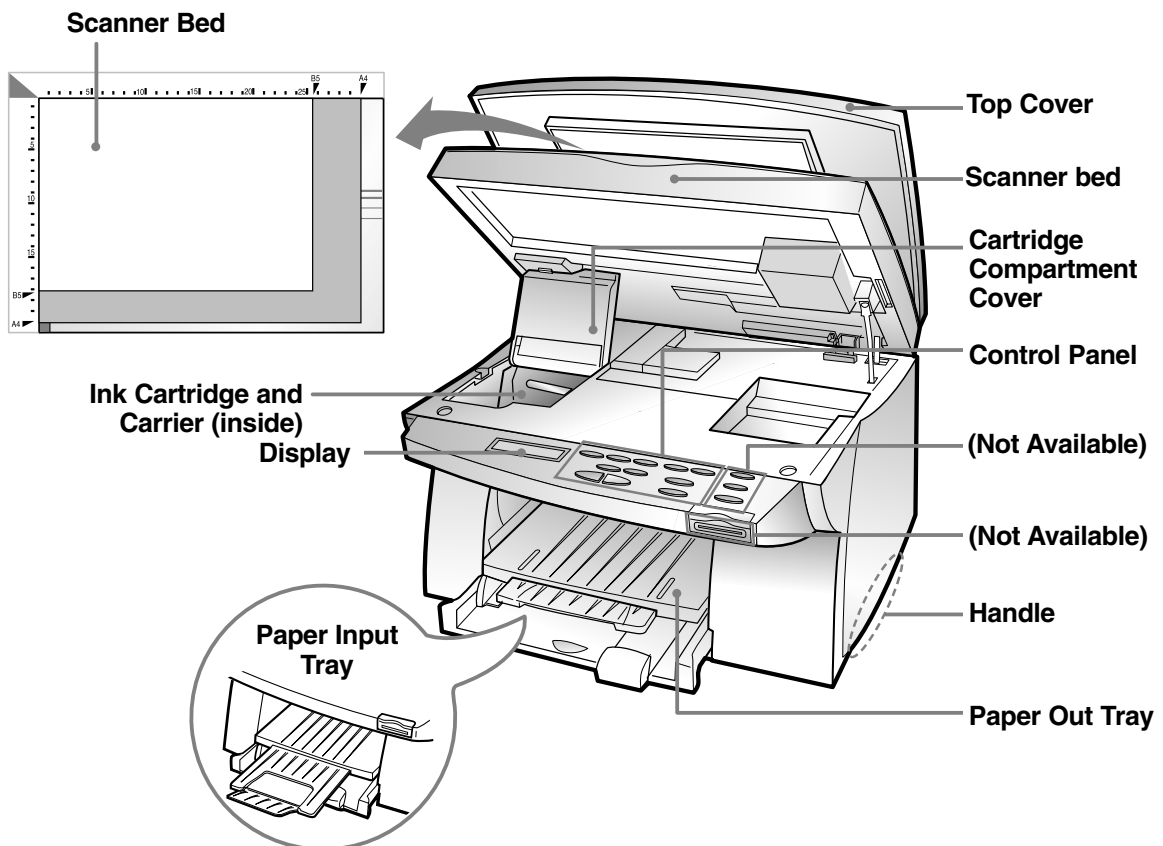
Rear View

The following illustration shows the rear view of your printer and indicates the various main elements.

Power Connector

Rear Cover

Parallel Interface Connector

Universal Serial Bus (USB) Port

Manual Feeder
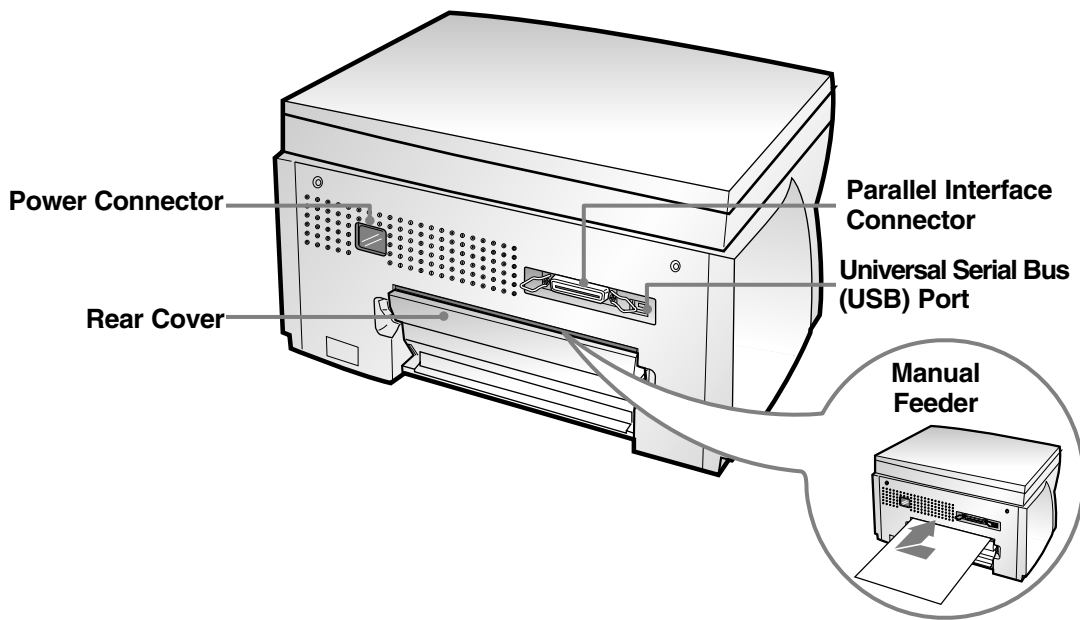
Memo

Setting Up Your Printer

Overview

This chapter provides step-by-step information on setting up your printer.

Unpacking Your Printer

Connecting the Printer Cable

Connecting the Power Cord

Loading Paper into the Input Tray

Installing the Print Cartridge

Testing the Printer

Installing the Printer Software

Unpacking Your Printer

When you start unpacking, you will find the following items in addition to your printer.

Power Cord	**Print Cartridges (Color/Black)**
• **User's Guide** • **SmarThru 2 Guide**	**CD-ROM**

IMPORTANT
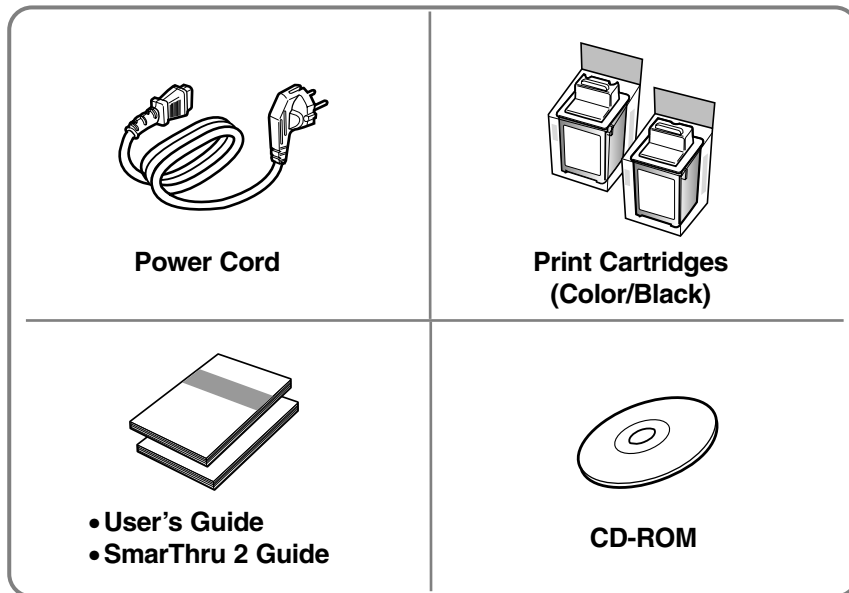
If you find that any of the above items are missing or damaged, contact your local dealer.

NOTE

• The shape of power cord may differ, depending on your country.

• You will need either a parallel cable or a Universal Serial Bus (USB) cable.

During the storage and transport of your printer, adhesive tape is used to protect some of the elements that may move or open unexpectedly and consequently be damaged.

1 Remove all the adhesive tapes, as illustrated below.
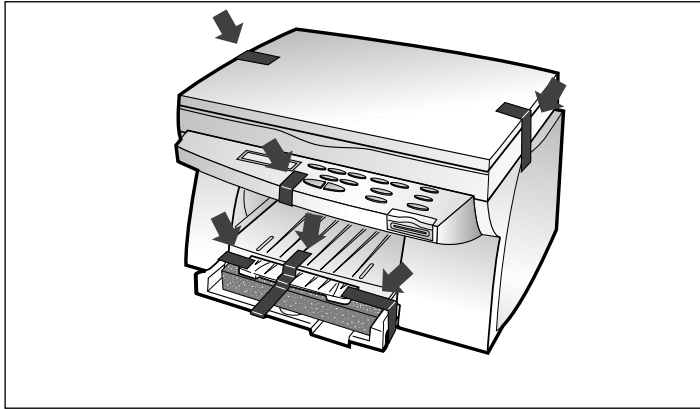
2 Slide the Input Tray out of the printer.
Remove the packaging material from the tray.
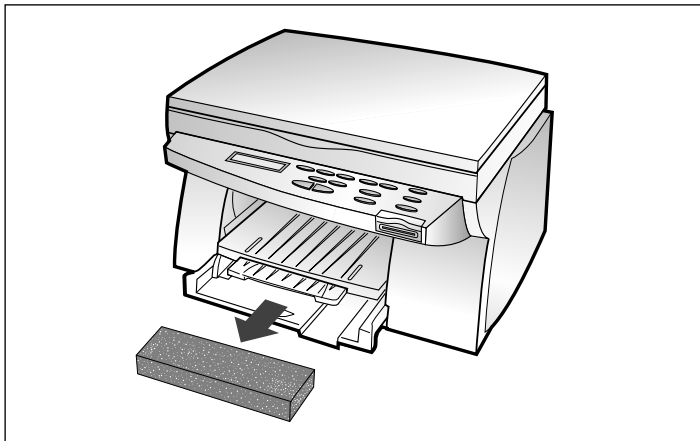
Connecting the Printer Cable

The Lexmark Z82 printer has two interfaces for wide connectivity; parallel and USB. If you are running Windows 98 or higher and your computer is equipped with a USB port, see page 2-6 for connection.

Parallel cable connection

IMPORTANT To prevent malfunction, it is strongly recommend that you use an IEEE 1284-compliant parallel cable with the printer.

1 Check that both the printer and the computer are powered off and disconnected from the power point.

2 Plug one end of the parallel cable into the connector on the rear of the printer.
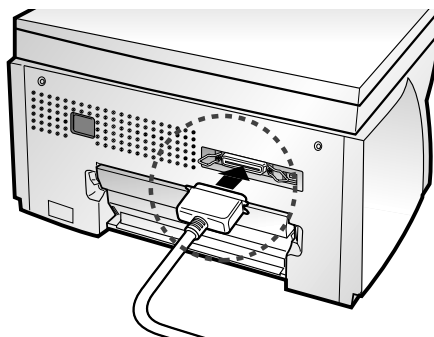
3 Push the metal clips down to fit inside the notches on the cable plug.
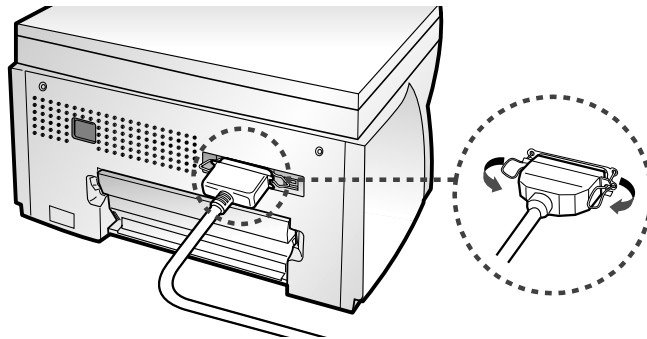
4 Plug the other end of the cable into the appropriate parallel connector on your computer and fasten it tight.

Connecting the Printer Cable
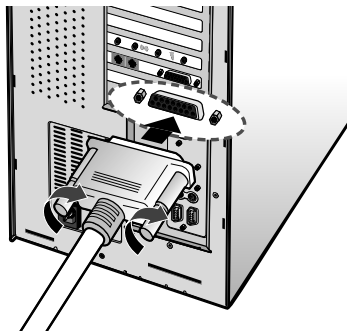
To use a USB cable for printing, your computer should be running Windows 98 or higher and have a USB port.

USB cable connection

IMPORTANT The USB and parallel printer cables cannot be connected simultaneously. You should decide which connection to use and the best connection to fit your requirement.

1 Make sure that both the printer and computer are turned off.

2 Plug one end of the certified USB cable into the USB port on the printer.

3 Plug the other end into the USB port on the computer.

Connecting the Power Cord

The Lexmark Z82 printer has a power range of 110-240V AC.

1 Plug one end of the power cable supplied to the connector on the rear of the printer.

2 Plug the other end into a suitable power point.

The printer indicates and enters the Ready Mode. At this moment, you will hear some of movement inside the printer.
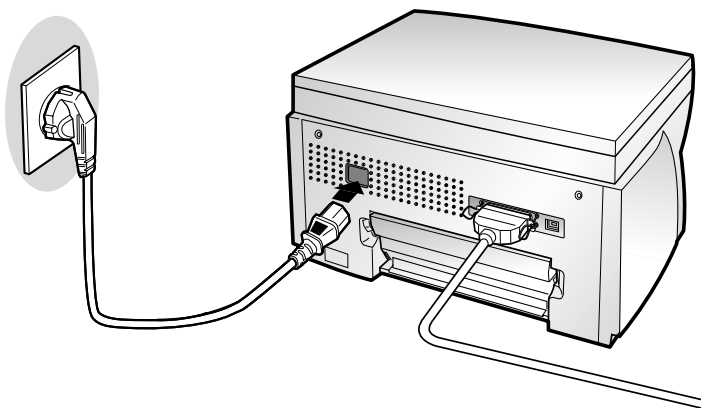
Loading Paper into the Input Tray

Your printer has the Input Tray that can hold up to 150 sheets of paper.

1 Pull the tray completely out of the printer.
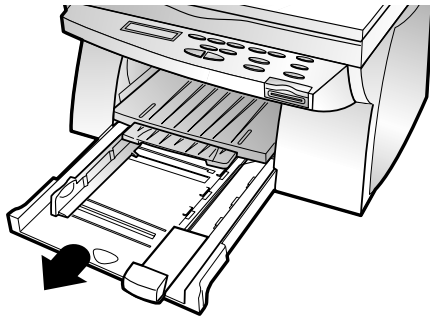
2 Slide the paper width and length guides to their outermost positions.

CAUTION

Do not fold or crease the paper.

NOTE

If necessary, flex the sheets back and forth to loosen them, then fan them.

3 Place the paper against the back edge and the right side of the tray with the recommended print side face down.

4 Squeeze the Width Guide and slide it to fit the edge of the paper.
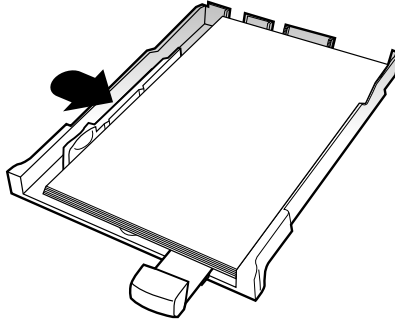
5 Slide the Length Guide in to fit the bottom edge of the paper.
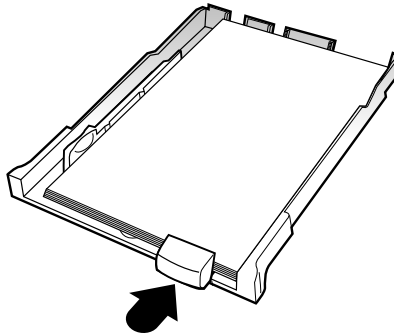
6 Push the input tray back towards the printer until it stops.
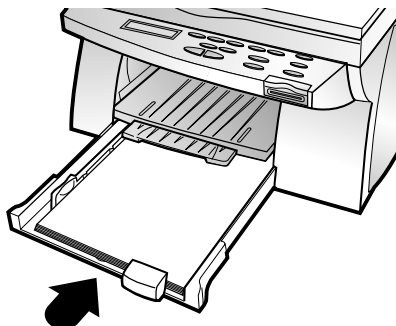
Installing the Print Cartridges

When you unpack the printer, the Print Cartridge Carrier is hidden on the right side of the printer. The carrier slides horizontally across a track inside the printer.
It must move into the installation position on the far left side of the printer to install the print cartridges.

CAUTION Do not pull the Print Cartridge Carrier by hand. Doing so may damage the printer.

1 Remove the sticker and the transparent tape covering the copper contact area on one of the cartridges.

CAUTION
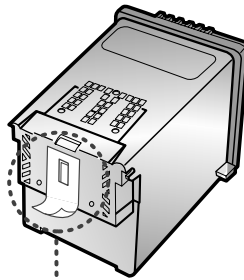
Do not touch the copper contact area.

Copper Contact Area

2 Lift the Scanner Bed (①), and support it with the Cartridge Compartment Cover (②).
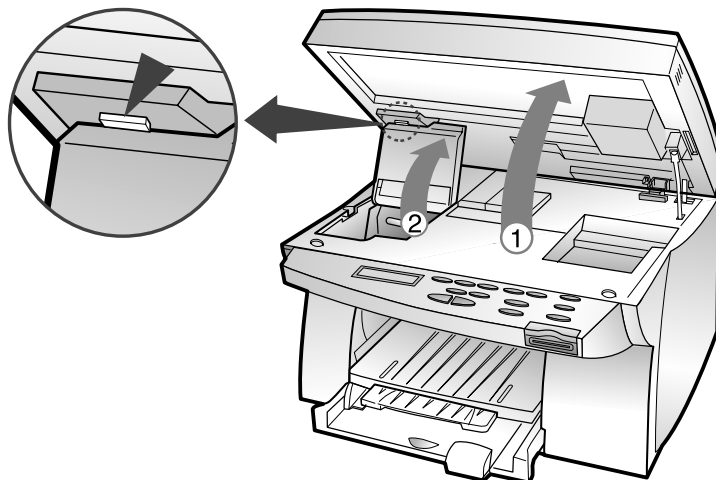
3 Complete the following steps to move the Print Cartridge Carrier into the installation position.

a) Press **Setup** until **CARTRIDGE** appears in the display.

b) Press ◄ or ► until **CHANGE CAR.** appears in the second row of the display.

c) Press **Enter/Select.**
The Print Cartridge Carrier moves to the far left side of the printer. You are now ready to install the print cartridges.

IMPORTANT
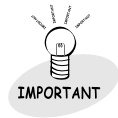
To print correctly, the cartridges should be installed into the correct slot.

Put the cartridges in the carrier slot as indicated below:

Cartridge Type	Cartridge Carrier Slot
Black/Photo*	Right
Color	Left

* Photo cartridge is optional.

4 Insert cartridges.

Color Cartridge

Black or Photo Cartridge
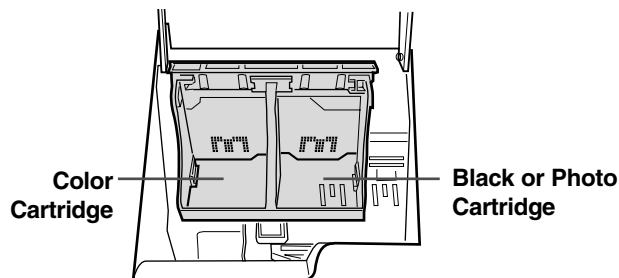
Installing the Print Cartridge

5 Push back on the cartridge until it snaps securely into place. You should hear a clicking sound.

PUSH BACK
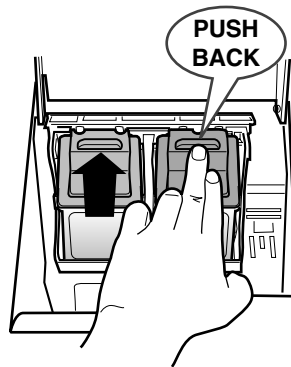
6 Close the Cartridge Compartment Cover.

7 Close the Printer Top Cover.
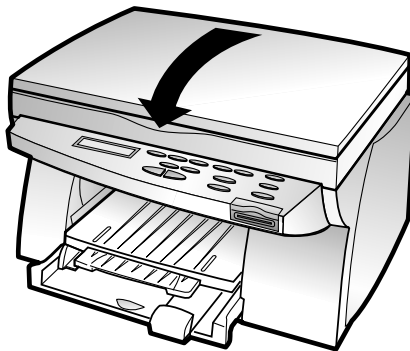
8 Press ◄ or ► until **BOTH** appears in the second row of the display.

NOTE

The display will timeout if there is no activity for a period of time.

9 Press **Enter/Select**.
LEFT CARTRIDGE? appears in the display.

```
LEFT CARTRIDGE?
 NEW STD COLOR
```

10 Press ◄ or ► to select the color cartridge type that you installed.

The cartridge types you can select are:
NEW STD COLOR for a new standard color cartridge.
NEW HIGH COLOR for a new high-yield color cartridge.
OLD COLOR for a used color cartridge.

11 Press **Enter/Select**.
RIGHT CARTRIDGE? appears in the display.

```
RIGHT CARTRIDGE?
 NEW STD BLACK
```

12 Press ◄ or ► to select the black/photo cartridge type that you installed.

The cartridge types you can select are:
NEW STD BLACK for a new standard black cartridge.
NEW HIGH BLACK for a new high-yield black cartridge.
OLD BLACK for a used black cartridge.
NEW PHOTO for a new photo cartridge.
OLD PHOTO for a used photo cartridge.

13 Press **Enter/Select**.

If you have installed a new cartridge, an alignment test page prints.

Depending on the cartridge combination you have installed in your machine, a test page with one or more alignment patterns similar to the ones shown on next page is printed. Each pattern has a number under it.

```
PRINTING    ■■■
```
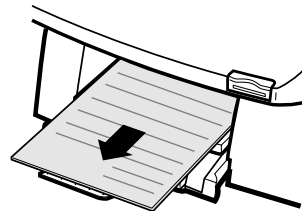
14 The following illustrations are examples of the alignment test patterns. Each pattern has a letter above it (A, B, C, D, E, and F for black/color, A, B, C and D for color/photo cartridge).
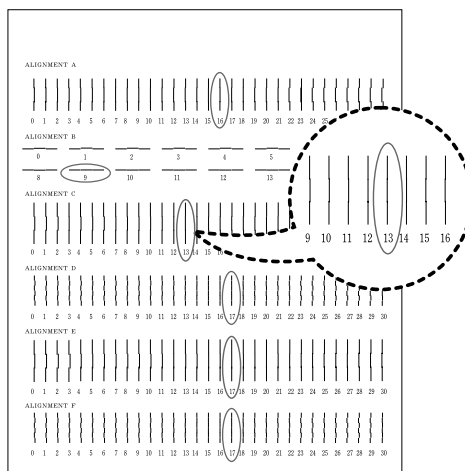
Once the cartridge alignment test page has printed, the display looks like this:

```
ALIGN CARTRIDGE
▶15  [00-30]   A
```

The current alignment value appears in the second row.

To change the alignment value

1) From the **ALIGNMENT A** group on the test page, locate the number under the alignment pattern that comes closest to forming a perfectly straight line.

2) Press ◄ or ► to display the correct alignment value based on the printed test page.

3) Press **Enter/Select** to choose the correct alignment value. The next Alignment screen appears on the display.

4) Repeat steps 1 through 3 to select alignment values for B, C, D, E, and F.
Once you pressed **Enter/Select** to choose the correct value for ALIGNMENT F, the printer returns to the Normal Mode.

NOTE

- When either print cartridge starts to run out of ink, replace the empty print cartridge. If you do not have a new replacement for the empty print cartridge, leave the empty print cartridge in the printer.
- Keep a spare print cartridge on hand. When buying print cartridges, check the part numbers referenced below carefully to ensure that you are buying the correct print cartridge.
These print cartridges have been specifically designed to work with your printer to produce results that are always clear and sharp.
- If you want to purchase a new print cartridge, either contact your point of purchase or any Lexmark authorized supplies dealer.

Cartridge type		Part number
Black cartridge	Standard	Lexmark P/N 12A1970
	High yield	Lexmark P/N 12A1975
Color cartridge	Standard	Lexmark P/N 15M0120
	High yield	Lexmark P/N 15M0125
Photo cartridge	(optional)	Lexmark P/N 12A1990

Testing the Printer

Each time you install a new print cartridge, run the Self Test to check if the print cartridge is installed properly.

1 Press **Setup** until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
▶HELP LIST
```

2 Press ◄ or ► until **PRINT SELF TEST** appears in the second row of the display.

```
[MAINTENANCE]
▶PRINT SELF TEST
```

3 Press **Enter/Select**.

The message **PRINTING** appears in the display.

```
PRINTING     ■■■
```
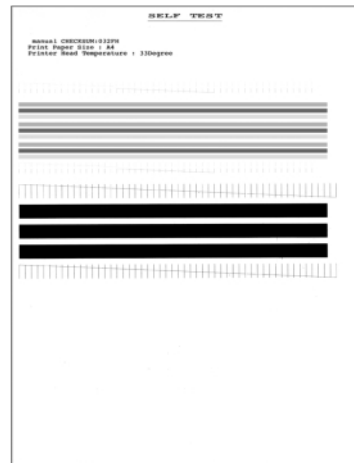
Installing the Printer Software

The printer software (printer driver) and the SmarThru 2 program are provided on CD-ROM. To use your new machine as a printer, the printer software must be installed. In addition, it is recommended to install SmarThru 2 program for more features than the stand-alone printer.

Printer software (printer driver)

The printer driver accesses the printer features and allows the computer to communicate with the printer.

SmarThru 2 program

The program called SmarThru 2 is an application program that helps you manage your printer.

SmarThru 2 provides you with :

- A Mail Box that can send, receive and store e-mail and fax messages.

- An Image Manager that supports operations on images.

- Scan Manager that supports scanner operations.

- A Copy Manager that controls the copying process.

- AnyPage Lite Optical Character Recognition (OCR) software gives you the possibility to convert scanned images into text documents suitable for editing in your favorite text editor.

NOTE For information about SmarThru 2, see the separate SmarThru 2 Guide.

Installing the Printer Software

Hardware Requirements

To install and run the Printer Software you must have the following hardware configuration:

- 28MB of available Hard disk space
- 486 DX2 100MHz or better
- 16MB of RAM or more

Software Requirements

To install and run the Printer Software you must have the following software configuration.

- Windows 95
- Windows 98
- Internet Explorer 4.01 or later

1 Installing the printer software

1 Make sure the printer is plugged in and connected to your computer.

2 Start Windows.

3 When the **New Hardware Found** message appears, click the **Cancel** button.

4 Insert the CD-ROM into the CD-ROM drive.
The **Model Selection** window should appear automatically.

> *If the installation does not start automatically, do the following:*
> *a)* Click **Start** → **Run** from the Windows task bar.
> *b)* Type **e:\autorun.exe** (substitute your CD-ROM drive letter for the 'e') on the command line, then click the **OK** button.

5 Select the **printer model** which is connected to your computer.

6 Select the **language** you want to use .

NOTE | If you do not have a CD-ROM drive, you can copy the Setup program onto floppy diskettes.
For more information see 'Making Installation Diskettes' page 2-26.

7 Click **Install Printer Software.**
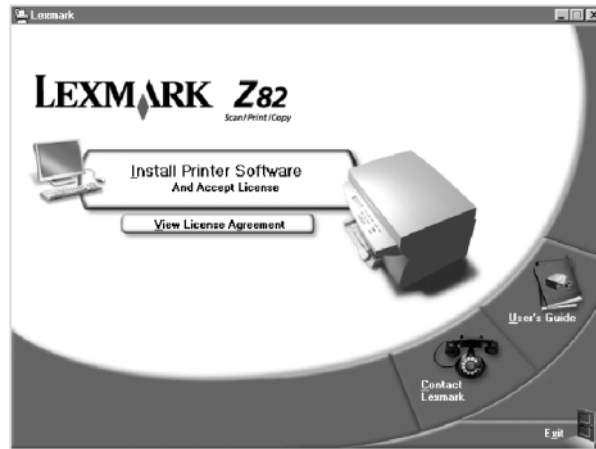
NOTE If there is no Internet Explorer 4.0 or above version on your PC, the Setup program will install Internet Explorer version 5.0 on your PC first. After installing it, to continue Lexmark Z82 software setup, run 'Autorun.exe' from the CD or reinsert the CD in the drive.

8 Click **Next**.

9 Type the **user name** and **company** and click the **Next** button.
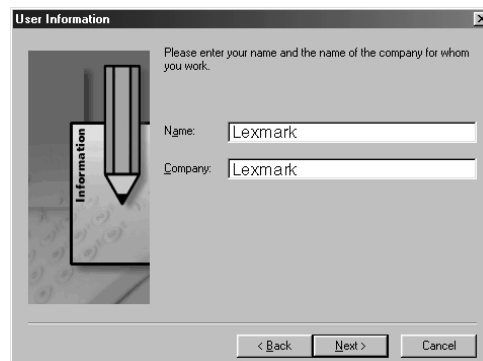
10 Select the folder which the Printer Software will be installed in, and click the **Next** button.

11

Choose the Setup type and click the **Next** button.
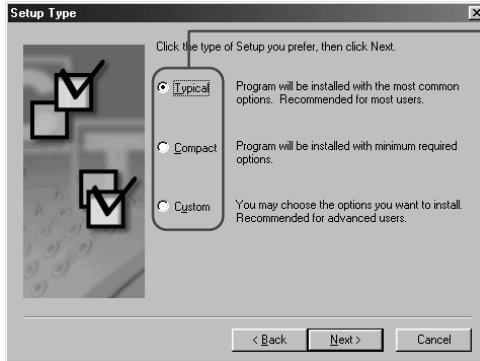
- **Typical (recommended)**
  This option allows you to install the printer driver, SmarThru software and OCR software.
- **Compact (minimum)**
  This option only allows you to install the printer driver.
- **Custom (for experienced users)**
  This option allows you to choose which components will be installed. The installation program will prompt you to select the software items.

12

Select the program folder that you want to create the program icons for, and click the **Next** button.
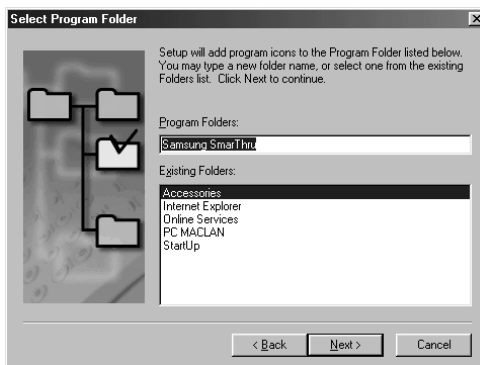
- The files are automatically installed.
- The progress window appears on your screen as the program files are copied onto your computer.

13

After the installation is completed, click on **Finish**.

The Windows will restart.

Installing the Printer Software

After Windows is restarted, now you will be asked to add Fax Modem.

2 Adding a New Fax Modem

1 Click the **Next** button when **SmarThru Add New Fax Modem** window appears.

2 Select the modem that is installed in your system and then click the **Next** button.

SmarThru Add New Fax Modem

Choose system modem to be used

Choose one of the system modems installed in your system. This fax modem will be used by SmarThru Fax Gate for sending and/or receiving faxes.

If there is no installed modems in your system, you can install it by pressing "System modems..." button.

Lexmark RW56PV Modem

System modems...

< Back   Next >   Cancel

3 Type the identifier (usually your name), select the fax modem class, and then click the **Next** button.

SmarThru Add New Fax Modem

Fax modem parameters

Fax identifier is needed for setting up fax modem connection and used for unique identification of both recipient and sender. Usually this ID is taken from your own phone number. This fields is optional and can be left blank.

Fax identifier (FLID string)

Fax modem class
○ Class 1   ● Class 2   ○ Class 2.0

☑ Enable fax sending

☐ Auto answer incoming calls after 3

< Back   Next >   Cancel

- For more information about the Fax modem class, see the user guide supplied with your fax modem.

4 When you have completed, click **Finish**.

3 Setting up your Internet Connection

Set up your Internet connection if you have an e-mail account from your company or a service provider.

1 Select the way you are connected to the Internet and then click the **Next** button.

2 If **'Connection to internet over LAN'** is selected in step1, the following screen appears. Type your user name and the e-mail address, and then click the **Next** button.

- If 'Use Dial-up for internet connection' is selected in step 1, follow the instructions on the screen.

3 Type the mail server address and then click the **Next** button.

- Contact your Internet Service Provider for more details.

Installing the Printer Software

4 Type the password that you use to access your Internet mail server and then click the **Next** button.

```
SmarThru Internet Gate Configuration Wizard                    ×

                    E-Mail Server Logon

         Please type your POP3 or IMAP4 account user name and
         password to access your Internet mail server. Your Internet
         service provider must give you this information.

         Account user name:
         user

         Password:
         ****

         (Your password will appear in asterisks to prevent others
         from reading it.)


                           < Back    Next >    Cancel
```

5 Click the **Next** button.

```
SmarThru Internet Gate Configuration Wizard                    ×

                    Account record name

         Please type account record name. This name will be used to
         refer it in Internet Mail Configuration and any incoming mail
         information notifications.

         Account record name:
         Lexmark


                           < Back    Next >    Cancel
```

6 To complete the configuration of your Internet e-mail service, click **Finish**.

Congratulations!
You have finished setting
up your printer.
Now you are ready to
start using it.

s

Uninstalling the Lexmark Software

The Uninstall utility is supplied with the Lexmark Software to enable you to remove the software and all associated files from your hard disk.

To uninstall the printer driver, proceed as follows:

Close any programs that are running first.

1) Click **Start** → **Programs** → **Lexmark Z82** → **Lexmark Z82 Uninstall** from the Windows task bar.

2) Follow the instructions on the screen.
The printer driver is removed from your hard disk.

To uninstall the SmarThru 2 program, proceed as follows:

Close any programs that are running first.

1) Click **Start** → **Programs** → **Samsung SmarThru** → **SmarThru 2 Uninstall** from the Windows task bar.

2) Follow the instructions on the screen.
The SmarThru 2 program is removed from your hard disk.

If prompted to do so, restart your computer. If necessary, reinstall the Lexmark software.

Memo

3
Chapter
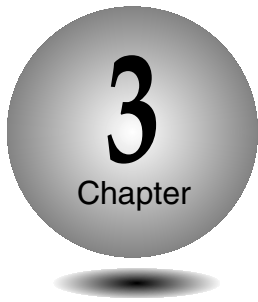
Using the Control Panel

Overview

This chapter contains information about using the printer control panel, changing printer settings, and understanding control panel menus.

This chapter provides the following information:

Control Panel Buttons

Control Panel Display

Control Panel Buttons

The Control Panel has many buttons which are used to change printer settings, make copies, scan documents and maintain the printer. Look for the following buttons and their functions.

Button	Function
Setup	Press **Setup** to change printer settings. The setup menu includes the following items: • CARTRIDGE • PAPER SIZE • PAPER TYPE • MAINTENANCE
◄ ►	• Press ► to move to the next item in the menus, or press ◄ to move to the previous item in the menus. • For menu items that have numerical values, such as for COPY PAGE, press ► to scroll forward, or ◄ to scroll backward. • Press and hold each button for fast scrolling up and down.
Enter/Select	Press **Enter/Select** to select the menu item shown in the second row of the display.
Stop / Restore	Press **Stop/Restore** to return to the Normal Mode.

Button	Function
Resolution	Press **Resolution** to change the resolution setting when copying documents. • NORMAL • BEST • DRAFT
Contrast	Press **Contrast** to change the contrast setting when copying documents. • NORMAL • LIGHTEN • DARKEN
Zoom Rate	Press **Zoom Rate** to reduce or enlarge the size of a copied image from 25% to 400%.
Copy Page	Press **Copy Page** to determine the number of copies (1 to 99) printed for each page.
Special Copy	Press **Special Copy** to : • sort the copy job. (MONO COLLATE) • clone the same images on a single page. (CLONE) • print a single image on 4, 9, or 16 sheets. (POSTER COPY)
Black Color Start Copy	• Press **Black** to make black-and-white copies. • Press **Color** to make color copies.

Chapter 3

Control Panel Display

There are two kinds of messages and they show the information that you have to take care and what you need to do.

- **Status messages** provide information about the current state of the printer.
- **Attendance messages** indicate printer errors that you must resolve.

Status Message

Status Message indicates the current state of the printer.
For example, if you first plug in the power cord, the printer enters the Ready Mode and shows following information.

Resolution ————————————————————————— **Paper Size**

```
NORMAL  A4
100%    02 PAGES
```

Zoom Rate   **Number of Copies**
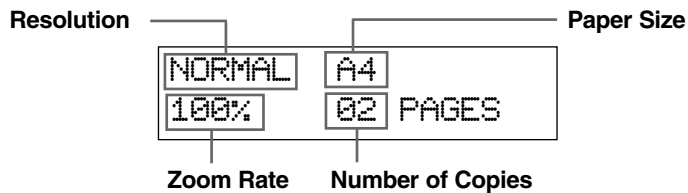
Attendance Message

Attendance Message helps you to solve printer problems.
For example, if a paper is jammed in the printer, the message **REMOVE PAPER JAM** appears in the display:

```
REMOVE PAPER JAM
THEN PRESS STOP
```

4
Chapter

Print Media

Overview

This chapter provides specifications and guidelines for each type of print media that can be used with your printer.

Media Size

Print Media Characteristics

Paper Guideline

Using the Manual Feed Slot

Media Size

The following table lists the types and dimensions of print media that you can use with your printer.

Media	Dimension	
Letter	216 mm x 279 mm	(8.50 inch x 11.00 inch)
Legal	216 mm x 356 mm	(8.50 inch x 14.00 inch)
A4	210 mm x 297 mm	(8.27 inch x 11.69 inch)
A5	148 mm x 210 mm	(5.83 inch x 8.27 inch)
B5	182 mm x 257 mm	(7.17 inch x 10.12 inch)
Executive	184 mm x 267 mm	(7.25 inch x 10.50 inch)
A6 Card	105 mm x 149 mm	(4.13 inch x 5.85 inch)
Label	100 mm x 148 mm	(3.94 inch x 5.83 inch)
Envelope #7 3/4	98 mm x 190 mm	(3.88 inch x 7.50 inch)
Envelope #9	98 mm x 225 mm	(3.88 inch x 8.88 inch)
Envelope #10	105 mm x 241 mm	(4.13 inch x 9.50 inch)
Envelope B5	176 mm x 250 mm	(6.93 inch x 9.84 inch)
Post Card 4x6	102 mm x 152 mm	(4.00 inch x 6.00 inch)
Custom	76.2~215.9 mm x 127.0~355.6 mm (3.00~8.50 inch x 5.00~14.00 inch)	

Print Media Characteristics

Print media characteristics affect print quality and reliability.
When you choose print media, consider the following:

Weight

The printer automatically feeds paper weights from 20 lbs
to 24 lbs.

Surface Smoothness

The degree of smoothness of the paper affects print quality.
If the paper is too rough, the ink may not adhere to the
paper properly, resulting in poor print quality.

Moisture Content

The amount of moisture in the paper affects both print
quality and paper feeding reliability.

Always test a sample of paper before purchasing
large quantities.

CAUTION

Using media that does not conform to the
specifications listed in the paper specifications
can cause problems that require service.

Paper Guideline

When choosing any paper type, consider the weight, surface smoothness and color of the paper.

- For best print quality, use inkjet paper.
- Use only undamaged paper

Not supported paper types

- Multiple-sheet forms or documents
- Preprinted papers with chemicals that may contaminate the printer.
- Rough-edged or curled papers
- Synthetic paper
- Thermal paper

Guidelines for paper storage

- Keep paper away from moisture, direct sunlight or other conditions that can cause it to wrinkle or curl.
- Do not place anything on top of the paper packages.
- Store cartons of paper on a pallet or shelf, rather than directly on the floor.

Using the Manual Feed Slot

Your Printer has a Manual Feeder that lets you feed the papers which cannot be fed through the Input Tray. The OHP, thick paper, envelopes, and unformatted paper should be fed manually through the Manual Feeder. This feeder allows only one sheet at one time.

Manual Feeder Slot
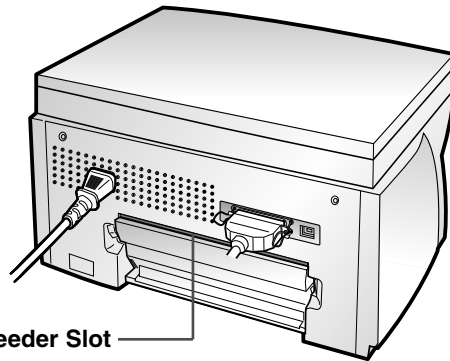
1 Insert the media against the right side of the slot until the printer picks it up.

NOTE
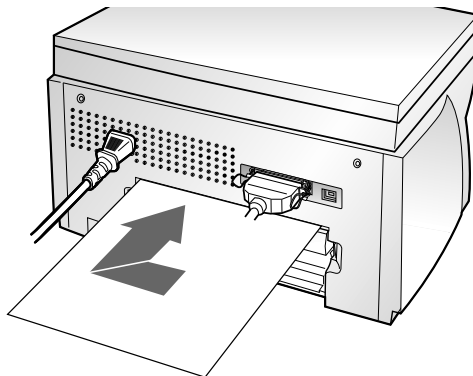
Insert the media with the recommended print side face up.

Chapter 4

2 Send your job to print.

Memo

5
Chapter

Printing Tasks

Overview

This chapter shows how to print a file in Windows and each property you can change.

Selecting the Printer

Printing a Document

Using Features in the Printer Driver

Selecting the Printer

After installation, Lexmark Z82 printer is automatically selected as the default printer.
To set the Lexmark Z82 printer as the default printer, follow the procedures as described below:

Setting Your Default Printer

1 Select **Start** → **Settings** → **Printers** from the Windows task bar.

2 Double-click the **Lexmark Z82** icon.

3 Click **Printer** and select **Set as Default**.
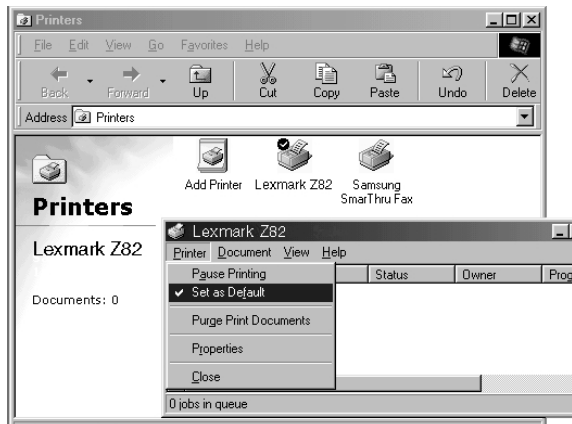
Printing a Document

The following procedure describes the general steps required for printing from various Windows applications.
The steps for printing a document may vary depending on the application program you are using.

1 Start your application you are using to create the document, and open the document you want to print.

2 Select **Print** from the **File** menu.
- You can see the print dialog box for your application.
- The basic print settings you will need are usually selected within this print dialog box.
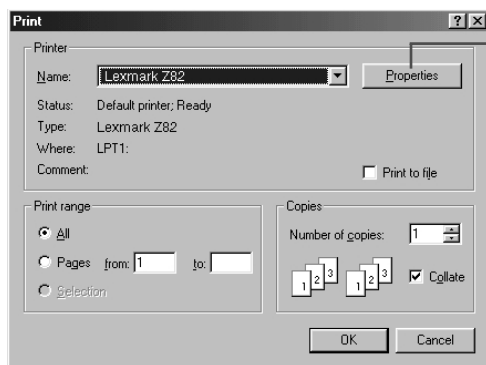
- To take full advantage of the printer features, click the Properties button.
For more information about Properties, see 'Using Features in the Printer Driver' on page 5-7.

NOTE Any changes you make in the application apply while it is running.

3 After you have changed settings, click **OK** to start printing.

About Printer Control Program Window

When the Lexmark Z82 Control Program on LPT1 window appears, click the appropriate tab for the options.

Starting the Lexmark Z82 Control Program

Select **Start** → **Programs** → **Lexmark Z82** → **Printer Control Program** from the Windows task bar.

Using the Status Tab

This tab shows the current printer status.

These images show the amount of ink remaining in each cartridge.

Click to cancel the current print job.

Click to print a test page.

These items provide specific details about the status of your print job.

Click to suspend your print job. Click this button again to resume the paused print job.

Using the Options Tab

This tab allows you to specify the Control Program setup options.
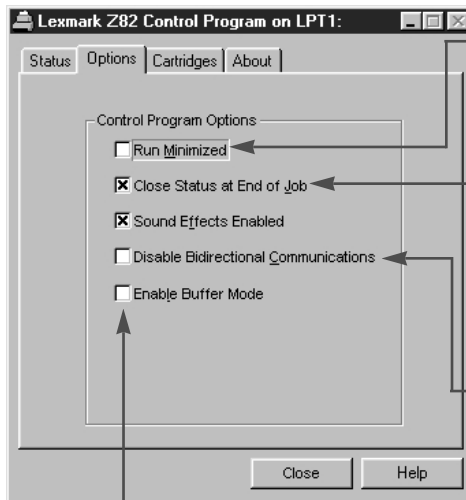
Check this option to prevent the Control Program from appearing on your computer screen each time you send a job to print.

Check this option to close the Control Program when a job has been sent to the printer.

If your system has bi-directional communication problems, error message appears each time you send a job to print. To avoid seeing this message, check this option, or correct the problem.

Check this option if your printer pauses frequently during a print job, and prints pages with alternating bands of light and dark print.

Using the Cartridges Tab

This tab allows you to choose cartridge options.

Click for version
information.

Click to install or replace
the print cartridge.

Shows the amount of
ink remaining in each
cartridge.

Click to clean the print nozzles.
Click to align printheads.

Click this button to order
supplies from Lexmark's
Web site.

NOTE

For more information
about the print cartridge,
see Chapter 8.

Using Features in the Printer Driver

To take a full advantage of the printer features, be familiar with
each property that the printer provides.

1 Select **Start** → **Settings** → **Printers** from the Windows task
bar.

2 Double-click the **Lexmark Z82** icon.

3 Select **Printer** → **Properties**.
The Properties dialog box allows you to access all the
information you will need when using your printer.

```
Lexmark Z82 Properties                                    [?][X]
┌──────────────────────────────────────────────────────────┐
│  Job Finishing │  Paper  │ Document/Quality │   Advanced  │
│    General    │    Details    │ Color Management │  Sharing  │
│                                                            │
│    🖨  Lexmark Z82                                          │
│                                                            │
│  ──────────────────────────────────────────────────────  │
│                                                            │
│  Comment:      ┌──────────────────────────────────┐      │
│               │                                    │      │
│               └──────────────────────────────────┘      │
│                                                            │
│  Separator page: [(none)              ▼]  [Browse...]      │
│                                                            │
│                                                            │
│                                                            │
│                                                            │
│                                                            │
│                                     [Print Test Page]      │
│                                                            │
│      [  OK  ]   [ Cancel ]   [ Apply ]   [  Help  ]        │
└──────────────────────────────────────────────────────────┘
```
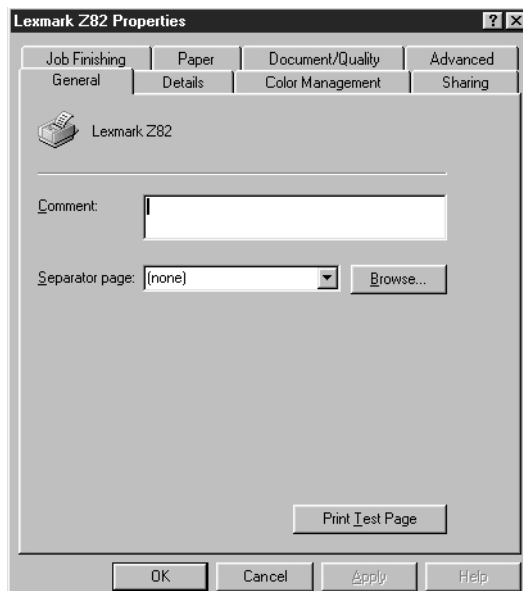
4 Click the appropriate tab, and then select/deselect the
required options.

Paper Tab

This tab allows you to specify paper size, number of copies, page collation and page orientation.

Paper Size
Use this setting to select the paper size installed in the Paper Tray or Manual Feeder.

Paper Source
The paper source setting identifies the default paper tray.

Copies
Sets the number of copies you want to print.

Collate: If Collate is checked, the printer prints each job again as many times as specified in the Copies field.
• Collate is off:

• Collate is on:

Reverse Page Order
Check this option to print the last page first.
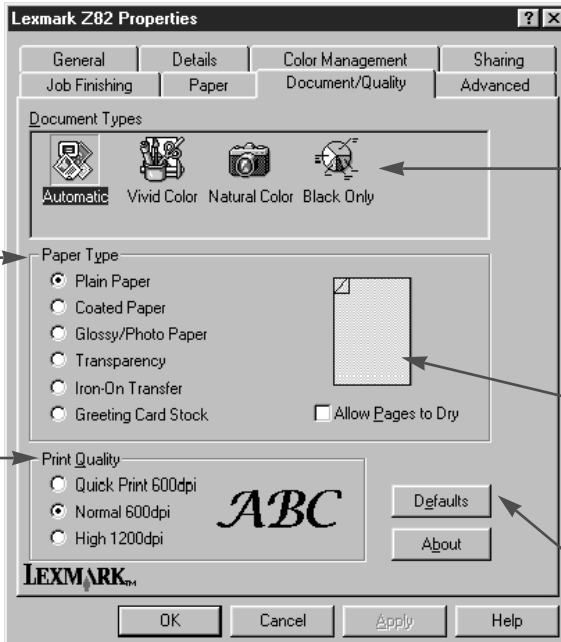
Orientation
Select the way the image or text prints.

NOTE

If you want to know more about each menu, click the **Help** button. The help screen gives detailed information about each menu.

Document/Quality Tab

This tab allows you to specify the document type, paper type and print quality.

Paper Types
Select the paper type you are feeding.

Print Quality
You can set the resolution for the graphics images.

Lexmark Z82 Properties

| General | Details | Color Management | Sharing |
| Job Finishing | Paper | Document/Quality | Advanced |

Document Types

Automatic   Vivid Color   Natural Color   Black Only

Paper Type
- Plain Paper
- Coated Paper
- Glossy/Photo Paper
- Transparency
- Iron-On Transfer
- Greeting Card Stock

☐ Allow Pages to Dry

Print Quality
- Quick Print 600dpi
- Normal 600dpi
- High 1200dpi

ABC

Defaults

About

LEXMARK

OK   Cancel   Apply   Help

Document Types

Automatic: Automatically produces quality printing.

Vivid Color: Produces enhanced color printing.

Natural Color: Produces photo-realistic natural color printing.

Black Color: Optimizes black and white printing.

Click to activate a delay between pages that allows ink to dry.

You can restore all the default settings by clicking **Defaults**.

NOTE

If you want to know more about each menu click on the **Help** button. The help screen gives detailed information about each menu.

Advanced Tab

This tab allows you to specify the halftone type, and adjust the image brightness, shadow and color.
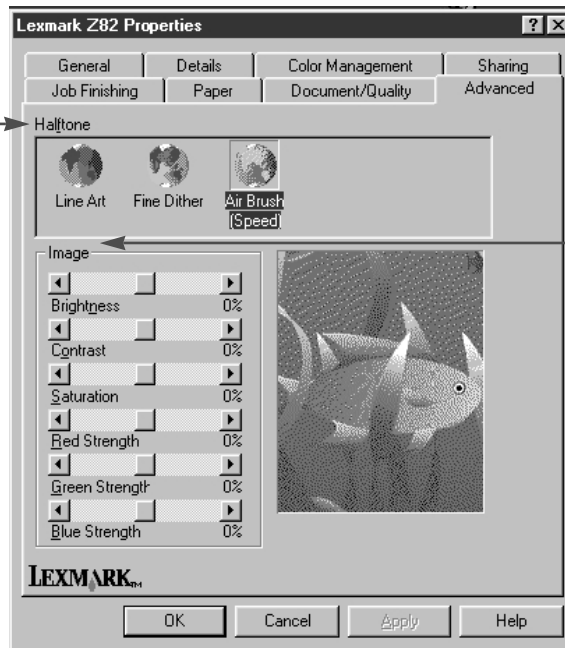
Halftone

Use the Halftone settings to improve the appearance of pictures and graphics.

Line Art: Generally the best choice for printed text or pen-and-ink drawings.

Fine Dither: Produces fine quality printing.

Air Brush: Produces air brush image printing.

Image

You can adjust image Brightness, Contrast, and color. Generally, default settings at 0% produce the best image quality.

NOTE

If you want to know more about each menu click the **Help** button. The help screen gives detailed information about each menu.

6
Chapter

Making a Copy

Overview

This chapter contains information about copying the original document, selecting the special copy, and changing the copy setup.

Making a Single Copy

Making Multiple Copies

Changing Copy Setup
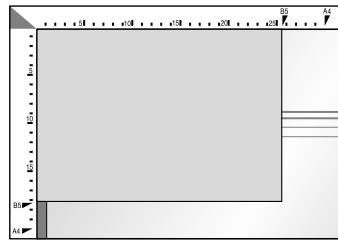
Collated Copying

Making a Clone Copy

Printing Poster

Making a Single Copy

Your printer can copy in black and white or full color.

1 Place your original document face down on the Scanner Bed with the top left of the original towards the green mark (▲), and close the Printer Top Cover.

2 Start copying by doing one of the following:

- Press the **Black** button to make black and white copies.
- Press the **Color** button to make color copies.

```
COPYING      ■■■
PAGE 01
```
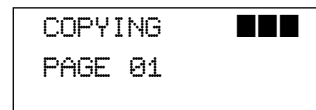
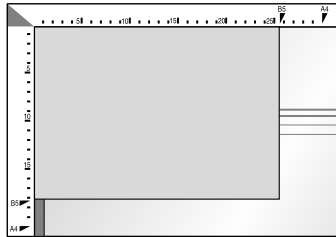**NOTE** To cancel a copy in progress, press the **Stop/Restore** button.

Making Multiple Copies

You can make copies up to 99 via the Control Panel.

1 Place your original document face down on the Scanner Bed with the top left of the original towards the green mark ( ), and close the Printer Top Cover.

2 Press the **Copy Page** button.

```
[SET COPY PAGE]
►01 PAGE
```

3 Press ◄ or ► until the desired number appears on the display.

• For example, if you select 4, set the pages to 04.

```
[SET COPY PAGE]
►04 PAGES
```

NOTE

If you press and hold ◄ or ►, the number is increased or decreased by the step of five.
If you press **Copy Page**, the number is increased by ten.

4 Press the **Enter/Select** button to select the new setting.

• The selected number appears in the display.

```
NORMAL  A4
100%     04 PAGES
```

5 Start copying by doing one of the following:

• Press the **Black** button to make black and white copies.

```
COPY  TO MEMORY
 98%     PAGE 1
```

The printer copies the document into the memory.

```
PRINTING COPY
COPY 1        PG 1
```

NOTE

To cancel a copy in progress press the **Stop/Restore** button.

• Press the **Color** button to make color copies.

```
COPYING      ■■■
PAGE 01
```

Changing Copy Setup

Before making copies, you can change the contrast, resolution and scale. Any change will take effective to every copy you will make.

To change Copy Contrast

1) Press the **Contrast** button.

2) Press ◄ or ► until the desired setting appears in the display. You may choose NORMAL, LIGHTEN or DARKEN.

3) Press **Enter/Select**.

To change Copy Resolution

1) Press the **Resolution** button.

2) Press ◄ or ► until the desired setting appears in the display.
   • You may choose NORMAL, BEST or DRAFT.

3) Press **Enter/Select**.

To change Copy Size

1) Press the **Zoom Rate** button repeatedly until the desired setting appears in the display.
Or press **Zoom Rate,** ◄ or ► to increase/decrease the scale value.

```
    [ZOOM RATE]
►NORMAL 100%
```

Whenever you press Zoom Rate, following options display in order.

|	
NORMAL 100%	makes a copy that is the same size as your original document.
ENTIRE 91%◄►	reduces your copy slightly to ensure that the whole image, out to all the edges, is copied.
AUTOFIT	pre-scans the original document to determine where its edges are, and then reduces or enlarges the original to fit on the paper you are using.
TWICE 200%◄►	enlarges the original document to 200%.
MAX 400%◄►	enlarges the original to the highest enlargement percentage.
HALF 50% ◄►	reduces the original document to 50%.
MIN 25% ◄►	reduces the original document to the lowest reduction percentage.
CUSTOM 100%◄►	lets you specify an exact reduction or enlargement percentage between 25% and 400%.

3) Press **Enter/Select**.

Collated Copying

The Lexmark Z82 printer has a collated copying function to sort copies.

NOTE

The copy will be produced as below when collated.
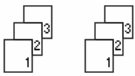
1 Press the **Special Copy** button until **MONO COLLATE** appears in the first row of the display.

```
[MONO COLLATE]
DOCUMENT NO (01)
```

2 Press ◄ or ► to enter the number of pages to scan.

3 Choose print order by pressing either **Enter/Select** or **Stop/Restore**.

```
PRINT REV ORDER?
 Y:ENTER N:STOP
```

For example, if you have a three-page job to print and want two copies:

- When the **Enter/Select** button is pressed, the printer prints page 3, page 2, page 1, page 3, page 2, page 1.

- When the **Stop/Restore** button is pressed, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.

NOTE

This feature only allows you to print a document in black and white. You cannot select high quality printing.

4 Press the **Black** button.

5 Lift the Printer Top Cover, and then place your first page face down on the Scanner Bed and close the Printer Top Cover.

6 Press the **Enter/Select** button.

The printer copies the document into the memory.

```
COPY TO MEMORY
 94%    PAGE 1
```

7 Repeat steps 5 and 6 to copy the remaining pages into the memory.

Making a Clone Copy

Use the CLONE setting to print multiple copies of the same image on a single page.
For example, 4 IMAGES means four of the same images are printed on one page.

1 Place your original document face down on the Scanner Bed with the top left of the original to the green mark (▲), and close the Printer Top Cover.

2 Press the **Special Copy** button until **CLONE** appears.

```
  [CLONE]
▶4 IMAGES
```

3 Press ◄ or ► to select the clone number.
You may choose 4 IMAGES, 9 IMAGES, 16 IMAGES or AUTO 100%.

4 Press the **Enter/Select** button.

```
CLONE COPY READY
PRESS START COPY
```

5 Start copying by doing one of the following:
• Press the **Black** button to make black and white copies.
• Press the **Color** button to make color copies.

```
COPYING    ■■■
PAGE 01
```

Printing Posters

This feature allows you to print a single page image on 4, 9 or 16 pages, which can be pasted together to form one poster size image.

1 Place your original document face down on the Scanner Bed with the top left of the original to the green mark (▲), and close the Printer Top Cover.

2 Press the **Special Copy** button until **POSTER COPY** appears.

```
[POSTER COPY]
►4 PAGES
```

3 Press ◄ or ► to select the number of the pages, which can be divided.

'4 PAGES' means a single page image is printed on four pages, and '9 PAGES' means a single page image is printed on nine pages.

4 Press the **Enter/Select** button to confirm your selection.

```
4 PAGES COPY RDY
PRESS START COPY
```

5 Start copying by doing one of the following:

• Press the **Black** button to make black and white copies.

• Press the **Color** button to make color copies.

7
Chapter

Changing Printer Settings

Overview
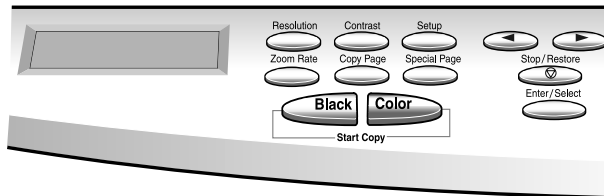
This chapter provides the following information:

Selecting the Paper Size

Selecting the Paper Type

Selecting the Paper Size

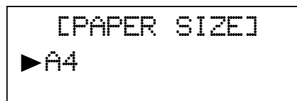**Chapter 7**

It is important to select the correct paper size from the setup
when using the input tray.
See tables beginning on page 4-2 for a list of the dimensions for
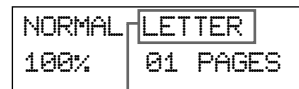each paper and envelope size.

Resolution Contrast Setup
Zoom Rate Copy Page Special Page   Stop / Restore
Black Color   Enter / Select
Start Copy

1 Press the **Setup** button
repeatedly until **PAPER SIZE**
appears.

```
 [PAPER SIZE]
►A4
```

2 Press ◄ or ► until the desired paper size appears in the
second row of the display.

3 Press the **Enter/Select** button.
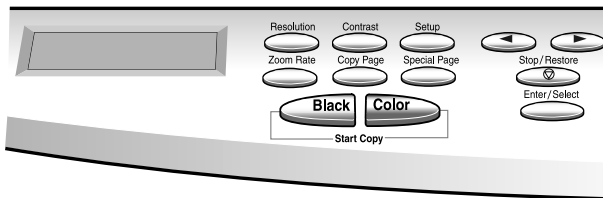
```
NORMAL LETTER
100%   01 PAGES
```

**The selected paper size
appears in the display.**

NOTE For more information about paper size, see 'Print Media'
in Chapter 4.

Selecting the Paper Type

The Paper Type Setting lets you specify the type of print media installed in the Paper Input Tray.

Resolution	Contrast	Setup	◄ ►
Zoom Rate	Copy Page	Special Page	Stop/Restore
Black	Color		Enter/Select
	Start Copy		

1 Press the **Setup** button until **PAPER TYPE** appears.

```
 [PAPER TYPE]
▶PLAIN
```

2 Press ◄ or ► until the desired paper type appears in the second row of the display.

3 Press the **Enter/Select** button.

Memo

8
Chapter

Maintaining Your Printer

Overview

You will need to replace and clean print cartridges in your printer in order to maintain optimum print capabilities.
This chapter provides information about maintaining your printer.

Replacing Print Cartridge

Aligning Print Cartridge

Cleaning Your Printer

Cleaning the Print Cartridge Contacts

Printing the Help List

Restoring the Menu to the Default Setting

Adjust Shading

Replacing the Print Cartridges

The following sections take you through the process of replacing the print cartridges.

To remove the print cartridge

1) Lift the Scanner Bed and support it with the Cartridge Compartment Cover.

2) Complete the following steps to move the Print Cartridge Carrier into the installation position.

a) Press **Setup** repeatedly until **CARTRIDGE** appears in the display.

b) Press ◄ or ► until **CHANGE CAR.** appears in the second row of the display.

c) Press **Enter/Select**.
The print cartridge carrier moves to the far left side of the printer.

CAUTION Do not pull the Print Cartridge Carrier by hand.

3) Pull forward on the print cartridge until it releases from the Print Cartridge Carrier.

4) Pull up the print cartridge to remove it.

To install the print cartridge

Continue from step 4 of 'Installing the Print Cartridges' on page 2-10 .

Aligning the Print Cartridges

For optimal printing you should align the print cartridges. If you replace print cartridges, your printer automatically prints an alignment test page. If you need to print an alignment test page, complete the following steps:
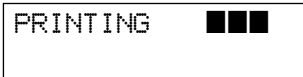
1 Press the **Setup** button until **CARTRIDGE** appears in the display.

```
    [CARTRIDGE]
►CHANGE CAR.
```

2 Press ◄ or ► until **ALIGN CAR.** appears in the second row of the display.

```
    [CARTRIDGE]
►ALIGN CAR.
```

3 Press the **Enter/Select** button. The printer automatically prints an alignment test page.

```
PRINTING    ■■■
```

4 Enter the alignment value. Once the cartridge alignment test page has printed the display looks like the one at left.

```
ALIGN CARTRIDGE
►13  [00-30]   A
```

5 Continue with 'To change the alignment value' on page 2-15.

Chapter 8

Cleaning Your Printer

The following sections take you through the process of cleaning the print cartridge printheads.

To clean the printheads

Run **CLEAN CAR.** to clean the printheads.
A test line prints so that you can see if the cleaning process was successful.

Clean the printheads:
- When you suspect the printheads are clogged.
- When characters are not printing completely.

1) Press the **Setup** button until **CARTRIDGE** appears in the display.

```
     [CARTRIDGE]
►CHANGE CAR.
```

2) Press ◄ or ► until **CLEAN CAR.** appears in the second row of the display.

```
     [CARTRIDGE]
►CLEAN CAR.
```

3) Press the **Enter/Select** button. The printer prints the printheads cleaning test page.

```
PRINTING    ■■■
```

4) If the printheads cleaning test page still contains broken lines, see 'To wipe the printheads' on page 8-5.

NOTE The printer returns to Ready Mode after the test page.

To wipe the printheads

1) Remove the print cartridge from the printer.
 If you need help, see 'To Remove the Print
 Cartridges' on page 8-2.

2) Use a clean, damp cloth or cotton swab to
 gently wipe the entire copper contact area
 and the printheads as shown.

3) Allow the copper contact area to dry.

4) Reinstall the print cartridges.
 If you need help, see 'Installing the Print Cartridges' on page 2-10.

5) Close the Cartridge Compartment Cover.

56 Close the Scanner Bed.

7) Repeat the cleaning printheads test.
 If you need help, see 'To clean the printheads' on page 8-4.

Copper Contact Area

Printhead   **cleaning direction**

NOTE
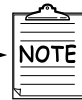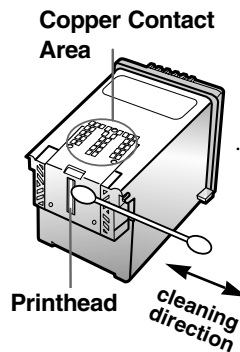
When cleaning
the color print
cartridge, wipe
the printheads
in one direction
so the colors
do not mix.

To clean the Scanner Bed

The printer slows down copying and scanning performance if the
Scanner Bed is dirty. Keep the bed clean.

1) Unplug the power cord.

2) Lift the Printer Top Cover.

3) Use a clean, damp cloth to
 clean the bed.
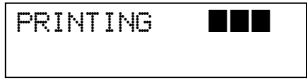
Scanner Bed

Chapter 8
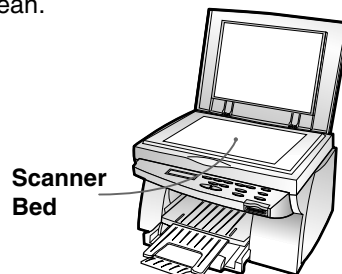
Printing the Help List

The Help list contains the information about all of the functions currently available.

1 Press the **Setup** button until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
►HELP LIST
```

2 Press the **Enter/Select** button when **HELP LIST** appears on the second line of the display.

```
PRINTING      ■■■
```

The printer prints the Help list.

Restoring the Menu to the Default Setting

To disable the menus so that changes cannot be made to the printer default setting:

To restore factory defaults

1 Press the **Setup** button until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
►HELP LIST
```

2 Press ◄ or ► until **RESTORE DEFAULT** appears in the second row of the display.

```
[MAINTENANCE]
►RESTORE DEFAULT
```

3 Press the **Enter/Select** button.

The printer restores the factory default.

```
COMPLETED!!
DEFAULT SETTINGS
        ▼
```

```
NORMAL   A4
100%     01  PAGES
```

Adjust Shading

The shading is adjusted at the factory. However, if you accidentally drop the machine, you may want to adjust shading for optimized lightness.

1 Place your original document face down on the Scanner Bed with the top left of the original to the green mark ( ), and close the Printer Top Cover.

2 Press the **Setup** button until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
▶HELP LIST
```

3 Press ◄ or ► until **ADJUST SHADING?** appears in the second row of the display.

```
[MAINTENANCE]
▶ADJUST SHADING?
```

4 Press the **Enter /Select** button.

5 Press **Enter/Select** again when prompted by **ARE YOU SURE?**

The machine scans and adjusts the shading.

```
ARE YOU SURE?
 Y:ENTER N:STOP
```
▼
```
SHADING  ■■■
```

9
Chapter

Troubleshooting

Overview

Most printer problems can be easily solved by going through simple check lists and tests. The most frequent problems have been divided into several categories, as listed below.

Clearing paper Jams

Error Messages

General Printing Problems

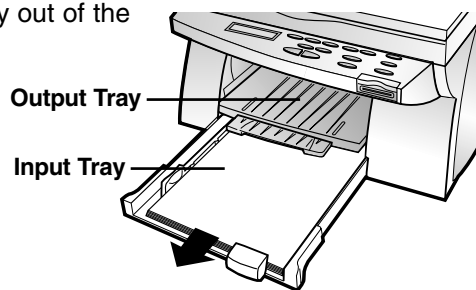Poor Print Quality

Scanning Problems

OCR Problems

Clearing Paper Jams

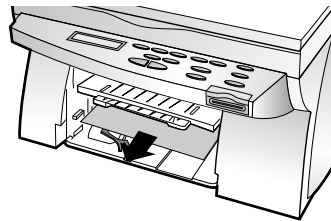By carefully selecting print media and loading them properly, you should be able to avoid most paper jams.

Paper jams while the printer is feeding

1 Pull the Input Tray completely out of the printer.

Output Tray

Input Tray

2 Lift the Output Tray.

3 Pull the paper up and toward you to remove it.

4 Press the **Stop/Restore** button. The error message disappears.

```
REMOVE PAPER JAM
THEN PRESS STOP
```

5 Replace the Input Tray and lower the Output Tray.

NOTE

• If you cannot get a firm grasp on the jammed paper, it may be easier to remove it from the Rear Cover. See 'Paper jams while printing' on page 9-3 for more information.
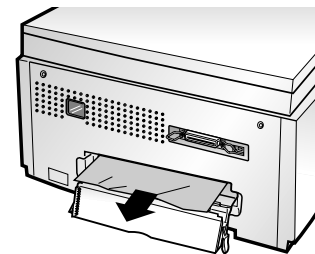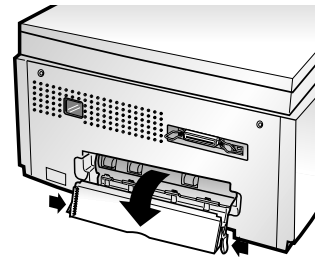
Paper jams while printing

1 Open the Rear Cover by pushing the release tabs at each end of the cover.

2 Pull the paper out gently and slowly.

3 Close the Rear Cover until it snaps into place.

4 Press the **Stop/Restore** button. The error message disappears.

```
REMOVE PAPER JAM
THEN PRESS STOP
```

Cleaning Paper Jams

Tips for Avoiding Paper Jams

If jams occur frequently, make sure you are following these tips to avoid jams :

- Follow the procedures in 'Loading paper into the Input Tray' on page 2-8 to load paper properly.

- Do not overload the Input Tray. Never exceed the maximum capacity of 150 sheets of paper in the tray.

- When using the Manual Feeder, feed only one sheet of print media at a time.

- Do not remove the Input Tray while the printer is printing.

- Flex, fan, and straighten the paper before loading it.

- Do not load wrinkled, creased, damp, or highly curled paper.

- Do not mix paper types.

- Make sure the recommended print side is face down for printing.

- Store print media in an acceptable environment.

Error Messages

The following table explains the various messages that may appear on your printer display.

Message	Meaning and Required Action
CHECK PAPER THEN PRESS STOP	Press the **Stop/Restore** button after loading the paper in the Input Tray.
REMOVE PAPER JAM THEN PRESS STOP	The printer detects a paper jam. Remove the jammed paper and press the **Stop/Restore** button. See 'Clearing paper jams' on page 9-2.
DOCUMENT IS BIG SET SMALL CLONE	The original document size is too big, so that the printer cannot print the **multi-same** images on a single page.
CANCEL COLLATE ? Y:ENTER N:STOP	The printer lacks the memory for collation. To cancel the job, press **Enter/Select**. To continue collating, press **Stop/Restore**.
RESUME POSTER ? Y:ENTER N:STOP	The printer ran out of paper in POSTER COPY. Install the paper and press **Enter/Select** to continue, or press **Stop/Restore** to cancel it.
MEMORY FULL...	The printer lacks the memory.
PC SCANNING...	The printer is scanning from your PC.
PC PRINTING...	The printer is printing a job received from your PC.
ALL CAR. EMPTY	The Black and Color cartridges are not installed or improperly installed in the Print Cartridge Carrier.

Error Messages

Message	Meaning and Required Action
RIGHT CAR. EMPTY	The Black or Photo cartridge is not installed or improperly installed in the Print Cartridge Carrier.
LEFT CAR. EMPTY	The Color cartridge is not installed or improperly installed in the Print Cartridge Carrier.
CHECK CARTRIDGE	Check the print cartridge to make sure that it is properly installed in the print cartridge carrier. See 'Installing the print cartridges' on page 2-10 for more information.
PLEASE CHANGE PHOTO CARTRIDGE	Change the Photo cartridge with the Black cartridge.
SYSTEM ERROR	The system error occurs to the printer, so that the printer cannot print continually.
REMOVE PAPER JAM THEN PRESS STOP	Remove the jammed paper and press the **Stop/Restore** button.
PRESS STOP TO CLEAR SYSTEM ERR	Press the **Stop/Restore** button.
SYSTEM INITIAL.. PLEASE WAIT	This message means the printer is returned to normal.

General Printing Problems

Selecting the Default Printer

If you did not select this printer as the default, you'd better select it as the default printer before attempting to print a document.

To set the default printer, proceed as follows:

1) Select **Start** → **Settings** → **Printers** from the Windows task bar.

2) Double-click the **Lexmark Z82** icon.

3) Select **File** → **Default Printer**.

Problem	Cause & Solution
The printer does not print	• Check if the power cord is plugged in. • The printer cable is not connected properly. • The printer cable is defective. Check the cable and replace it, if necessary. • The printer port is configured incorrectly. Check Pinter Setting in Windows to make sure that the print job is being sent to the correct port (for example, LPT1). • A paper jam has occurred. Remove the jammed paper. • This printer is not selected as the default. Check the default printer. • The printer driver may be incorrectly installed. Remove the existing printer driver, and re-install the printer driver.
Printer prints, but no characters appear	• Make sure the tape is removed from the printhead. See 'Installing the Print Cartridges' on page 2-10 for more information. • Check the print cartridges to be sure they are correctly installed. See 'Installing the Print Cartridges' on page 2-10 for more information. • Check to see if the print cartridge ink is low or empty. • Make sure print media is loaded in the printer.

Problem	Cause & Solution
The paper does not feed into the printer	• Make sure the print media is loaded correctly. Remove and re-insert paper correctly. • There is too many sheets in the Input Tray. Remove some papers. • Do not mix paper types.
The data does not print correctly	• The printer cable is not connected properly. • The printer driver may be incorrectly installed. Remove the existing printer driver, and re-install it.
Printing is too slow	• Adjust the print quality setting. • Graphics print more slowly than text. • Color prints more slowly than black and white. • Special media prints more slowly than plain paper. • Another running application affects print speed. Close the running program if not required.

Print Quality Problems

Problem	Cause & Solution
Print is too light or blurred	• Make sure the **Print Quality** setting is set to Normal. See **Print Quality** on page 5-9 for more information. • Check to see if the print cartridge ink is low or empty. • If you are printing on an uneven print surface, change the **paper type** setting. • If there is a recommended print size for the paper, load the proper paper. • Clean the printheads.
Characters print askew	• Align the print cartridge. • Adjust the **Print Quality** to Normal.
Characters print with White lines	• Check to see if the print cartridge ink is low or empty. • Remove and reinstall one of the print cartridges. See 'Replacing Print Cartridges' on page 9-2 for more information. • Clean the printheads.
Incorrect character print	• This printer is not selected as the default. Check the default printer. • Make sure you are using the correct cable. Use an IEEE 1284-compliant parallel cable or a USB cable.

Problem	Cause & Solution

Entire page is white	• The page layout is too complex.
	  Simplify the page layout. Delete any unnecessary graphics.
	• Check the paper orientation.
	• Make sure the paper size is set correctly.
	• Make sure you are using the correct cable;
	  IEEE-1284 compliant parallel cable.
	• Load the correct paper in the printer or change the paper size in the Print Setup dialog box.

Printed color does not match screen color	• The ink in the color cartridge is too low. Replace the color print cartridge. • Clean the printheads.
Black and White is printing instead of color	• Make sure the **Document Type** is set correctly. • The black print cartridge may be installed in the color Carrier Slot. Replace with the color print cartridge.
Color print quality is poor	• Make sure the **Paper Type** is appropriate for the paper you loaded. • Change the **Print Quality** to **High** or **Normal**. • If there is a recommended print side for the paper, load the paper correctly.

Scanning Problems

Problem	Cause & Solution
The printer does not scan	• Make sure your original document is placed face down on the Scanner Bed. • Make sure the printer cable is connected properly. • The printer lacks the memory for scanning. • The printer cable is defective. If necessary, replace the cable.
The printer scans very slowly	• Graphics are scanned more slowly than text. • Communication speed becomes slow in scan mode because a lot of memory is required to analyze and reproduce the scan image. Set your computer to ECP mode through BIOS setting. It will help to increase the speed. For details on how to set BIOS, refer to the document of your computer. • Close the unnecessarily running program.
'Scanner is busy receiving or printing data. When the current job is completed, try again' message appears on the screen	Your scanner may be used for scanning and faxing. When the current job is completed, try again.
'The selected port is currently being used. Restart your computer and try again' message appears on the screen	Scan error occurred and the scanning has not been completed properly. Restart your computer and try again.

Problem	Cause & Solution
'The scanner driver is not installed or an operation environment is not set up properly. Re-install the scanner driver and try again' message appears on the screen	File setting required for I/O may not be proper. Follow the instructions below : *1)* Start your windows. *2)* Select **Run** from **Start** menu. *3)* Type **sysedit**, then click **OK**. *4)* Select SYSTEM.INI file, and set the file as shown below. 　. 　[386 Enh] 　. 　device = vecp.386 　. 　LPT1TurnAroundDelay = 50 *5)* Restart your Windows.
'Port is disabled. Check if the port is properly connected, or power is on. Then restart your computer' message appears on the screen	I/O error occurs during scanning. Check the basic cable and the cable connection. If you still have the same message, open the system.ini file in the windows directory as described above, and increase the time as much as required in increments of 10.
'Memory is not enough to save the scan image. Exit all applications if not required, then try again after memory becomes available' message appears on the screen	There is not enough memory to save the scan image. Exit all applications currently open, if not required, in order to save memory.

Scanning Problems

Problem	Cause & Solution
'Scanning has failed. Restart your scanner and try again' message appears on the screen	Scan error occurs. Turn the printer off and back on. If you still have the same problem, restart your computer.
After scanning, scan program is not closed	If Samsung TWAIN UI is used for scanning, you must close the Samsung TWAIN UI program.
Part of data is not automatically scanned	Match scan area of the image being scanned to the data size.

OCR Problems

Problem	Cause & Solution
The recognized page contains many unrecognized words	• The original document is scanned with improper brightness or too low resolution. Adjust the scanning brightness to medium in your scanning application. • The original document contains wrong text language. You can recognize English text only. • You have set wrong text type. Text type is set in the AnyPage Lite system automatically. But if you have to recognize typewritten or matrix printer texts, set the corresponding text type to increase recognition accuracy. Do not forget to set the switch back to **Auto** position if you are recognizing text, which are neither typed on a typewriter nor printed on matrix printer in draft mode.
The result of automatic segmentation is not correct	In most cases the system analyzes text layout successfully. But if there are mistakes, you can mark blocks manually.
The system does not load your image file	You may be trying to load an image file of a format not supported in AnyPage Lite. • AnyPage Lite can load image files in the following formats: BMP, PCX, DCX, JPEG, TIFF. • AnyPage Lite can save images in the following formats: BMP, PCX, JPEG, TIFF.
Scanning is not achieved in AnyPage Lite.	• AnyPage Lite does not offer the scan feature. It provides only the recognizing feature of the scanned image.

Appendix

Specifications

General Specifications

Item	specification	
Rated AC power input	110 ~240V AC (Universal)	
Average power consumption	Under 15W (Standby) Under 35W (Operation Mode)	
Machine Size	444 x 369 x 258 mm	
Machine Weight	7.8 kg	
Operating Condition	Temperature	5~40°C (40~104°F)
	Humidity	20% RH ~ 80% RH
Recommended Operating Condition	Temperature	16~32°C (60~90°F)
	Humidity	40% RH ~ 70% RH
Ink Cartridge	See page 2-15 for part numbers	

Printer

Item	specification
Technology	Color Thermal Inkjet
Engine Type	2-pen (K and CMY)
Operating System	Windows 95/98
Interface	IEEE 1284 (ECP Support), USB (Windows 98 only, without HUB Mode)
Emulation	HBP (GDI)

Print Resolution (H x V)	Draft	300 x 600 dpi
	Normal	600 x 600 dpi
	Best	1200 x 1200 dpi

Item	specification
Maximum Paper Size	A4 (210 mm x 297 mm), See page 4-2 for paper sizes
Effective Printing Width	203 ± 1 mm
Output Tray Capacity	Maximum 50 sheets
Input Paper Capacity	Maximum 150 sheets
Maximum Printer Cable Length	6 ft. / 1.8 m.

Scanner

Item	specification
Compatibility	TWAIN Standard
Device	Platen Color CIS (Contact Image Sensor)
Scanning Area	Max (216 x 297 mm) Effective (210 x 291 mm)
Color Depth	Internal 30 bit
Optical Resolution	300 x 600 dpi
Interpolation Resolution	Maximum 4800 dpi
Pre-scan Mode	Yes, 75 dpi

Copier

Item	specification
Copy Mode	Black and Color
Scanner Type	Flat-bed
Maximum Original Size	A4 (210 x 297 mm)
Maximum Paper Size	A4 (210 x 297 mm)
Optical Resolution	300 x 600 dpi
Copy Quality	Draft, Normal, Best
Mono Copy Speed (A4)	Draft: 4 cpm
Color Copy Speed (A4)	Draft: 1.5 cpm
Effective Print-edge Margin	Top : 3.4 mm Bottom : 19.05 mm Each side : 6.5 mm
Multicopy	99 pages
Reduction & Enlargement	25% to 400% (1% increments)
Contrast Control	3 steps

Appendix

Index

Appendix

T

U

V

W

Z

Appendix